Search History / Note

(FILE 'HOME' ENTERED AT 10:42:33 ON 18 NOV 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 10:42:36 ON 18 NOV 2004

| | | |
|---|---|---|
| L1 | 763 | S OLEOSIN OR CALEOSIN |
| L2 | 6 | S L1 AND THIOREDOXIN |
| L3 | 6 | DUP REM L2 (0 DUPLICATES REMOVED) |
| L4 | 104 | S L1 AND FUSION |
| L5 | 63 | S L1 (10N) FUSION |
| L6 | 39 | DUP REM L5 (24 DUPLICATES REMOVED) |
| L7 | 32 | S L6 AND OIL |
| L8 | 32 | S L6 AND (OIL (2N) BODY) |
| L9 | 32 | DUP REM L8 (0 DUPLICATES REMOVED) |

FILE 'STNGUIDE' ENTERED AT 10:45:27 ON 18 NOV 2004

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- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

| Search | Most Recent Queries | Time | Result |
|---|---|---|---|
| #7 | Search **thioredoxin reductase gene** Field: **Title,** Limits: **Publication Date to 1997** | 12:05:50 | 12 |
| #6 | Search **thioredoxin reductase** Field: **Title,** Limits: **Publication Date to 1997** | 12:05:10 | 169 |
| #5 | Search **thioredoxin** Field: **Title,** Limits: **Publication Date to 1997** | 12:04:54 | 700 |
| #4 | Search **thioredoxin** Field: **All Fields,** Limits: **Publication Date to 1997** | 12:04:43 | 1316 |
| #2 | Search **1.8.1.9[EC/RN Number]** | 11:53:36 | 0 |
| #1 | Search **1.8.1.9[EC/RN Number]** Limits: ignored | 11:53:33 | 0 |

Clear History

| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 1 | BRS | 200 | oleosin or caleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 2 | BRS | 17 | (oleosin or caleosin) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 3 | BRS | 3 | ((oleosin or caleosin) and thioredoxin) and emulsion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 4 | BRS | 4 | "6288304" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 5 | BRS | 2 | "6372234" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 6 | BRS | 1 | "6372234" and (oleosin or caleosin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 7 | BRS | 0 | "6372234" and ((oleosin or caleosin) and thioredoxin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 8 | BRS | 2 | "6288304" and ((oleosin or caleosin) and thioredoxin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 9 | BRS | 4 | "6288304" and (oleosin or caleosin) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 10 | BRS | 2 | ("6288304" and (oleosin or caleosin)) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 11 | BRS | 28 | (oleosin or caleosin) and emulsion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 12 | BRS | 21 | ((oleosin or caleosin) and emulsion) and (food or personal or treat) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 13 | BRS | 9 | (((oleosin or caleosin) and emulsion) and (food or personal or treat)) and pharmaceutical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 14 | BRS | 2 | "2002050289" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 15 | BRS | 238154 | Van Rooijen, Gijs | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 16 | BRS | 18 | Van and Rooijen and Gijs | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 17 | BRS | 0 | WO0250289 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 18 | BRS | 21 | "0250289" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 19 | BRS | 0 | ZAPLACHINSKI near1 STEVE | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 20 | BRS | 10 | deckers near1 harm | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 21 | BRS | 1942 | METHODS AND PRODUCTION AND MULTIMERIC and PROTEINS AND RELATED and COMPOSITIONS | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 22 | BRS | 0 | (METHODS AND PRODUCTION AND MULTIMERIC and PROTEINS AND RELATED and COMPOSITIONS).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 23 | BRS | 3955388 | (METHODS FOR THE PRODUCTION OF MULTIMERIC PROTEINS, AND RELATED COMPOSITIONS).ti. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 24 | BRS | 178 | van near1 rooijen | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 25 | BRS | 14743 | pharmaceuticals near5 cosmetics | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 26 | BRS | 14 | (pharmaceuticals near5 cosmetics) and oleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 27 | BRS | 133 | oil near3 body near3 protein | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 28 | BRS | 9 | (oil near3 body near3 protein) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 29 | BRS | 1913 | oil and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 30 | BRS | 14 | oil near5 thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 31 | BRS | 14 | oil near10 thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 32 | BRS | 2 | "6531648" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 33 | BRS | 1 | "6531648" and oil | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 34 | IS&R | 4 | (("5683740") or ("5613583")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 35 | BRS | 0 | ((("5683740") or ("5613583")).PN.) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 36 | BRS | 3259 | oil near1 body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 37 | BRS | 292 | oleosin or caleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 38 | BRS | 29 | (oleosin or caleosin) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 39 | BRS | 23 | (oil near1 body) and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 40 | BRS | 42 | (oil near1 body) and (allergen or allergenic or allergenicity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 41 | BRS | 75 | (oil near1 body) and (allergen or allergenic or allergenicity or allergic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 42 | BRS | 45063 | l1near15 (allergen or allergenic or allergenicity or allergic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 43 | BRS | 20 | (oil near1 body) near15 (allergen or allergenic or allergenicity or allergic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 44 | BRS | 4 | "9612799" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 45 | BRS | 3122 | thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 46 | BRS | 50 | thioredoxin and (oleosin or caleosin or (oil near2 body) or (lipid near2 body) or oleosome or spherosome) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 47 | BRS | 2509 | thioredoxin and fusion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 48 | BRS | 411 | thioredoxin near5 fusion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 49 | IS&R | 4 | (("5831049") or ("5952034")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 50 | BRS | 2 | ((("5831049") or ("5952034")).PN.) and fusion and thioredoxin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 51 | BRS | 2078 | thioredoxin and fusion and heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 52 | BRS | 33945 | thioredoxin near10 fusionnear10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 53 | BRS | 18 | thioredoxin near10 fusion near10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 54 | BRS | 4 | caleosin and oleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 55 | BRS | 7785 | oil near2 body | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 56 | BRS | 44 | oleosin and emulsion | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 57 | BRS | 291 | oleosin | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 58 | BRS | 268 | oleosin and (cdna or dna or cloning) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 59 | BRS | 3 | (oleosin and (cdna or dna or cloning)) and (safflower near2 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 60 | BRS | 37 | (safflower near2 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 61 | BRS | 6 | safflower near10 transformation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 62 | BRS | 10721 | safflower | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 63 | BRS | 2 | safflower and heterolgous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 64 | BRS | 422 | safflower and heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 65 | BRS | 0 | safflower near heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 66 | BRS | 3 | safflower near10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 67 | BRS | 3 | safflower near15 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 68 | BRS | 9 | safflower near15 recombinant | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 69 | BRS | 64641 | host near1 cell | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 70 | BRS | 7 | (host near1 cell) near15 safflower | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 71 | BRS | 788 | Carthamus near1 tinctorius | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 72 | BRS | 0 | ( Carthamus near1 tinctorius ) near10 (host near1 cell) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 73 | BRS | 0 | ( Carthamus near1 tinctorius ) near10 transformation | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 74 | BRS | 0 | ( Carthamus near1 tinctorius ) near10 heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 75 | BRS | 10721 | safflower | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 76 | BRS | 1531 | safflower and protein and production and cell | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 77 | BRS | 397 | (safflower and protein and production and cell) and heterologous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 78 | BRS | 371 | ((safflower and protein and production and cell) and heterologous) and recombinant | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 79 | BRS | 22 | "5530186" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 80 | BRS | 11 | "6146645" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 81 | BRS | 248 | oleosin and soybean | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 82 | BRS | 268 | oleosin and (cdna or dna or cloning or cloned) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 83 | IS&R | 4 | (("6372234") or ("6183762") or ("6146645")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 84 | BRS | 20 | "5792922" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 85 | BRS | 3 | "9320216" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 86 | BRS | 47 | "5650554" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |
| 87 | IS&R | 2 | ("5650554").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB |

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AN 2004:36653 AGRICOLA

DN IND43636605

TI Method for bacterial expression and purification of sesame cystatin via artificial **oil bodies**.

AU Peng, C.C.; Shyu, D.J.H.; Chou, W.M.; Chen, M.J.; Tzen, J.T.C.

AV DNAL (381 J8223)

SO Journal of agricultural and food chemistry, p. 3115-3119
ISSN: 0021-8561

NTE Includes references

DT Article

FS Other US

LA English

AB A method was developed for production of sesame cystatin, a thermostable cysteine protease inhibitor. Sesame cystatin was first expressed in Escherichia coli as an insoluble recombinant protein fused to oleosin, a unique structural protein of seed **oil bodies**, by a short hydrophilic linker peptide. Stable artificial **oil bodies** were constituted with triacylglycerol, phospholipid, and the insoluble **oleosin**-cystatin **fusion** protein. After centrifugation, the **oleosin**-cystatin **fusion** protein was exclusively found in the artificial **oil bodies**. Proteolytic cleavage with papain, a cysteine protease effectively inhibited by cystatin, separated soluble cystatin from oleosin that was firmly embedded in the artificial **oil bodies**. After recentrifugation, papain that coexisted with cystatin in the collected supernatant was denatured by incubating at 55 (degree)C for 30 min. The insoluble denatured papain was removed by one more centrifugation, and the expressed cystatin of high yield and purity was harvested simply by concentrating the ultimate supernatant. Comparable inhibitory activity toward papain was observed between the expressed cystatin and the native one purified from sesame seeds. This method is presumably applicable to production of other protease inhibitors whose target proteases are economically available.

L9 ANSWER 24 OF 32 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:717365 CAPLUS
DN 126:44366
TI **Oil bodies** of transgenic Brassica napus as a source of immobilized β-glucuronidase
AU Kuehnel, Blanka; Holbrook, Larry A.; Moloney, Maurice M.; van Rooijen, Gijs J. H.
CS Department Biological Sciences, University Calgary, Calgary, AB, T2N 1N4, Can.
SO Journal of the American Oil Chemists' Society (1996), 73(11), 1533-1538
CODEN: JAOCA7; ISSN: 0003-021X
PB AOCS Press
DT Journal
LA English
AB The process of immobilizing enzymes is a major cost factor in the utilization of heterogeneous catalysts on an industrial scale. We have developed a new strategy, based on plant genetic manipulation, for the production of foreign peptides associated with the **oil body** in plant seeds. Seeds of transgenic rapeseed can be produced on a large scale at relatively low cost. Furthermore, **oil bodies** are readily isolated from seeds by flotation centrifugation. In this paper, we describe some phys. and operational properties of an **oil body**-fusion protein complex and its suitability as a heterogeneous catalyst. **Oil bodies** from rapeseed, corn, and flax aggregate at pH 5, which facilitates their recovery by flotation. **Oil bodies** from transgenic rapeseed, carrying the reporter gene β-glucuronidase or the pharmaceutical peptide, hirudin, also aggregate in the same range. This aggregation is reversible. **Oil bodies** are resistant to a wide range of pH, with some lysis occurring (<10%) at the extremes. They are resistant to shearing forces, such as stirring. The thermal and pH stabilities, as well as the catalytic activity of β-glucuronidase expressed on the **oil body** surface, are comparable to those of free β-glucuronidase enzyme.

L9 ANSWER 25 OF 32 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

AN 97:15352 AGRICOLA

DN IND20550053

TI Production of biologically active hirudin in plant seeds using oleosin partitioning.

AU Parmenter, D.L.; Boothe, J.G.; Rooijen, G.J.H. van.; Yeung, E.C.; Moloney, M.M.

CS University of Calgary, Calgary, Alberta, Canada.

AV DNAL (QK710.P62)

SO Plant molecular biology, Dec 1996. Vol. 29, No. 6. p. 1167-1180
Publisher: Dordrecht : Kluwer Academic Publishers.
CODEN: PMBIDB; ISSN: 0167-4412

NTE Includes references

CY Netherlands

DT Article

FS Non-U.S. Imprint other than FAO

LA English

AB A plant oleosin was used as a 'carrier' for the production of the leech anticoagulant protein, hirudin (variant 2). The **oleosin**-hirudin **fusion** protein was expressed and accumulated in seeds. Seed-specific expression of the **oleosin**-hirudin **fusion** mRNA was directed via an Arabidopsis **oleosin** promoter. The **fusion** protein was correctly targeted to the **oil body** membrane and separated from the majority of other seed proteins by flotation centrifugation. Recombinant hirudin was localized to the surface of **oil bodies** as determined by immunofluorescent techniques. The **oleosin**-hirudin **fusion** protein accumulated to ca. 1% of the total seed protein. Hirudin was released from the surface of the **oil bodies** using endoprotease treatment. Recombinant hirudin was partially purified through anion exchange chromatography and reverse-phase chromatography. Hirudin activity, measured in anti-thrombin units (ATU), was observed in seed **oil body** extracts, but only after the proteolytic release of hirudin from its oleosin 'carrier'. About 0.55 ATU per milligram of **oil body** protein was detected in cleaved **oil body** preparations. This activity demonstrated linear dose dependence. The **oleosin fusion** protein system provides a unique route for the large-scale production of recombinant proteins in plants, as well as an efficient process for purification of the desired polypeptide.

L9 ANSWER 27 OF 32 MEDLINE on STN
AN 96191283 MEDLINE
DN PubMed ID: 8616216
TI Production of biologically active hirudin in plant seeds using oleosin partitioning.
AU Parmenter D L; Boothe J G; van Rooijen G J; Yeung E C; Moloney M M
CS Department of Biological Sciences, University of Calgary, Alberta, Canada.
SO Plant molecular biology, (1995 Dec) 29 (6) 1167-80.
Journal code: 9106343. ISSN: 0167-4412.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199606
ED Entered STN: 19960620
Last Updated on STN: 19960620
Entered Medline: 19960613
AB A plant oleosin was used as a 'carrier' for the production of the leech anticoagulant protein, hirudin (variant 2). The **oleosin**-hirudin **fusion** protein was expressed and accumulated in seeds. Seed-specific expression of the **oleosin**-hirudin **fusion** mRNA was directed via an Arabidopsis **oleosin** promoter. The fusion protein was correctly targeted to the **oil body** membrane and separated from the majority of other seed proteins by flotation centrifugation. Recombinant hirudin was localized to the surface of **oil bodies** as determined by immunofluorescent techniques. The **oleosin**-hirudin **fusion** protein accumulated to ca. 1% of the total seed protein. Hirudin was released from the surface of the **oil bodies** using endoprotease treatment. Recombinant hirudin was partially purified through anion exchange chromatography and reverse-phase chromatography. Hirudin activity, measured in anti-thrombin units (ATU), was observed in seed **oil body** extracts, but only after the proteolytic release of hirudin from its oleosin 'carrier'. About 0.55 ATU per milligram of **oil body** protein was detected in cleaved **oil body** preparations. This activity demonstrated linear dose dependence. The **oleosin fusion** protein system provides a unique route for the large-scale production of recombinant proteins in plants, as well as an efficient process for purification of the desired polypeptide.

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments |
|---|---|---|---|---|---|---|---|
| 1 | BRS | L1 | 8 | thioredoxin near10 cosmetic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:25 | |
| 2 | BRS | L2 | 50 | thioredoxin near10 antioxidant | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:26 | |
| 3 | BRS | L3 | 15 | thioredoxin near10 pharmaceutical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:27 | |
| 4 | BRS | L4 | 63 | thioredoxin near10 composition | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:33 | |

| | Type | L # | Hits | Search Text | DBs | Time Stamp | Comments |
|---|---|---|---|---|---|---|---|
| 5 | BRS | L5 | 36 | thioredoxin near10 food | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:42 | |
| 6 | BRS | L6 | 1918 | thioredoxin and reductase | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:42 | |
| 7 | BRS | L7 | 561 | 16 and cosmetic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/11/18 16:42 | |